

Smart Monitoring Kit

Intelligence to your oil systems

The Smart Monitoring Kit is a revolutionary concept that will provide intelligence to your standard filtration carts and hydraulic, allowing visibility of the performance of the asset condition.

The Smart Monitoring Kit is a universal solution that can be integrated into a hydraulic system independently of the brand and design. This kit is an add-on element with a plug&play configuration. The device will be able to offer particle counting based on ISO or NAS code and bubble counting along with shape recognition features and oil degradation, powered by Atten2OilWear 2.0 sensor.

The Kit counts with a flow condition solution (pump or valve) that allow the control of the operational conditions, independently of the fluid dynamics. As an option, it could be offered with a humidity sensor to measure the water content in the lubricant.

The Kit includes a HMI with all features to control the system, see real-time data, store and extract it via USB and connect remotely to digitalize your lubricant based asset condition monitoring.

MAKE IT EASY, MAKE IT SMART



Smart Monitoring Kit

SPECIFICATIONS

| | |
|-----------------------|---|
| POWER SUPPLY | 24 VDC |
| ENERGY CONSUMPTION | 800mA |
| COUNTING OUTPUT | ISO CODE 4406/NAS 1638 Total particles (P/ml) Air Bubble Detection (b/ml) Shape recognition (p/ml) Oil Degradation (%) Humidity (Optional) |
| ALARMS | Configurable alarms per level shown on display |
| Digital Output | Interface via HMI Ethernet RJ45 (IP, FTP, VNC) |
| OIL PRESSURE | 0-10 bar (PUMP version available) |
| OPERATION TEMPERATURE | From 0°C to 80°C |
| VISCOSITY RANGE | Until 540 cSt |
| FLUID COMPATIBILITY | *Mineral and Synthetic oil |
| PRECISION | +/- 1 ISO CODE |
| HYDRAULIC CONNECTION | 1/8" BSPPF |
| DIMENSION / WEIGHT | 249x400x132 / 6 Kg |
| MATERIALS | Stainless Steel / Aluminium / Viton / NBR |
| IP PROTECTION | IP65 |

*Contact us in case you need to confirm special fluids.

HMI

